

H5965

(5)

Dredge } No. 5765. Date, July 26, 1915.

Hydrog. } Sdg. Mch. Electric Reel E. Shot Lead 30 lbs.

Turns Cor'n Depth 200 fms.

Sdg. Cup Mining (Sft. Samp) Amt. Bot'm Sample

Character of Bottom no bottom at 200

Thermom. { Make Cor'n { Instr. No. Stem.

Bottom Reading Cor'd Temp.

Temp. Surf. { 52.0 Time 2:15 P. Air { 61.0

Density: Surf. fms.

Wind: Direction S by E Force 1-2

Baromet. 30.13 Amt. of Clouds 10 State of Sea 2

Weather om

Direction and Force of Current { Surface Bottom

Tide

General Locality Off Washington coast

Position Grays Harbor Light bears S 57 1/2° E (true) distant 37.7 miles

Chart used: No. 6400 Ed'n 2

Drift: Direction Distance

Depth of Haul

Apparatus and Rig used

Time towing h. m.

Remarks:

Deck Officer Mr. Cassidy Recorder J. T. H. 7 -

SOUNDING WIRE.					FMS.	DREDGING CABLE.				
P. M. Down.	Up.	P. M.				M. Down.	Up.			M.
2 09	35	2 13	45		0					
2 10	50	2 10	55	200	100					
					200					
					300					
					400					
					500					
					600					
					700					
					800					
					900					
					1000					
					1100					
					1200					
					1300					
					1400					
					1500					
					1600					
					1700					
					1800					
					1900					
					2000					
					2100					
					2200					
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					3600					
					3700					
					3800					
					3900					
					4000					
					4100					
					4200					
					4300					
					4400					
					4500					
					4600					
					4700					
					4800					
					4900					

(6)

Hydrog. No. 5966 Date, July 26, 1915

Sdg. Mch. Electric Reel Ed. Shot Lead 30 lbs.

Turns Cor'n Depth 200 fms.

Sdg. Cup Arming (Sft. Samp.) Amt. Bot'm Sample

Character of Bottom no bottom at 200

Thermom. { Make Cor'n { Instr. No. Stem.

Bottom Reading Cor'd Temp.

Temp. Surf. { 52° Time 2:30 P } Air { 61° Time

Density: Surf. fms.

Wind: Direction S by E Force 2

Baromet. 30.13 Amt. of Clouds 10 State of Sea L

Weather on

Direction and Force of Current { Surface Bottom

Tide

General Locality Off Washington Coast

Position Grays Harbor Light bears S 56° E (true) distant 37.8 miles

Chart used: No. 6400 Ed'n 5

Drift: Direction Distance

Depth of Haul

Apparatus and Rig used

Time towing h. m.

Remarks:

Deck Officer Mr. Cassidy Recorder Stratton

SOUNDING WIRE.					FMS.	DREDGING CABLE.				
P. M. Down.		Up.		A. M.		M. Down.		Up.	M.	
7	24	25	7	28	30					
7	25	40	7	25	45					
					0					
					100					
					200					
					300					
					400					
					500					
					600					
					700					
					800					
					900					
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					4000					
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					4700					
					4800					
					4900					

(7)

Dredge } No. 5967 Date, July 26, 1915
Hydrog }

Sdg. Mch. Electric Reel E Shot/Lead 30 lbs.

Turns Cor'n Depth 115 fms.

Sdg. Cup Arm (5 ft cup) Amt. Bot'm Sample

Character of Bottom (67 M. fine G.) co blk S; gn M

Thermom. { Make Cor'n { Instr.
No. Stem.

Bottom Reading Cor'd Temp.

Temp. Surf. { 52.0 Time 2:44 } Air { 61.0
Time

Density: Surf. fms.

Wind: Direction S by E Force 2

Baromet. 30.13 Amt. of Clouds 10 State of Sea L.

Weather om

Direction and Force of Current { Surface
Bottom

Tide

General Locality Off Washington coast

Position Grays Harbor light bears S 54 1/2° E (true) distant 37.7 miles

Chart used: No. 6400 Ed'n 2

Drift: Direction Distance

Depth of Haul

Apparatus and Rig used

Time towing h. m.

Remarks:

Deck Officer Mr. Cassidy Recorder Stratford

SOUNDING WIRE.						FMS.	DREDGING CABLE.					
M. Down.			Up.				M. Down.		Up.		M.	
2	39	50	2	48	20	0						
2	40	15	2	40	25	115	100					
						200						
						300						
						400						
						500						
						600						
						700						
						800						
						900						
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						4700						
						4800						
						4900						

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Dredge } No. 5968 Date, July 26, 1915
Hydrog. }

Sdg. Mch. Electric Reel L. Shot Lead 30 lbs.

Turns Cor'n Depth 110 fms.

Sdg. Cup Arming (sft. samp) Amt. Bot'm Sample

Character of Bottom Lost the lead.

Thermom. { Make Cor'n { Instr.
No. Stem.

Bottom Reading Cor'd Temp.

Temp. Surf. { 52° Time 2:57 P. Air { 61°
Time

Density: Surf. fms.

Wind: Direction S by E Force 2

Baromet. 30.12 Amt. of Clouds 10 State of Sea L

Weather om

Direction and Force of Current { Surface
Bottom

Tide

General Locality Off Washington coast

Position Gray Harbor Light bears S 53° E (true) distant 37.6 miles

Chart used: No. 6400 Ed'n

Drift: Direction Distance

Depth of Haul

Apparatus and Rig used

Time towing h. m.

Remarks: Lost the lead, and a few ft. wire.

Deck Officer Mr. Cassidy Recorder Gruttil-

SOUNDING WIRE.				FMS.	DREDGING CABLE.			
P.M. DOWN.		UP.	P.M.		M. DOWN.		UP.	M.
✓	52	20	✓	55	30			
✓	57	00	✓	54	10			
				0				
				200				
				300				
				400				
				500				
				600				
				700				
				800				
				900				
				1000				
				1100				
				1200				
				1300				
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				3900				
				4000				
				4100				
				4200				
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				4500				
				4600				
				4700				
				4800				
				4900				

(9)

Hydrog. No. 5949 Date, July 26, 1905
 Sdg. Mch. Electric Reel E1 Shot/Lead 20 lbs.

Turns _____ Cor'n _____ Depth $\frac{0}{258}$ fms.

Sdg. Cup _____ Amt. Bot'm Sample _____

Character of Bottom _____

Thermom. { Make _____ Cor'n { Instr. _____
 { No. _____ { Stem. _____

Bottom Reading _____ Cor'd Temp. _____

Temp. Surf. { 52° Time 3:12 } Air { 61°
 { _____ Time _____ { _____

Density: Surf. _____ fms. _____

Wind: Direction S by E Force 2

Baromet. 30.12 Amt. of Clouds 10 State of Sea 1

Weather sm

Direction and Force of Current { Surface _____
 { Bottom _____

Tide _____

General Locality off Washington coast

Position Grays Harbor Light bears S 51 1/2° E (true) distant 37.3 miles

Chart used: No. 6400 Ed'n _____ 36.9

Drift: Direction _____ Distance _____

Depth of Haul _____

Apparatus and Rig used _____

Time towing _____ h. _____ m.

Remarks:

Deck Officer Mr. Cassin Recorder _____

SOUNDING WIRE.

A M. Down. | Up. | P M.

FMS.

DREDGING CABLE.

M. Down. | Up. | M.

3	06	20	10	45	0
3	07	40	2	07	100
					200
					300
					400
					500
					600
					700
					800
					900
					1000
					1100
					1200
					1800
					1400
					1500
					1600
					1700
					1800
					1900
					2000
					2100
					2200
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					2500
					2600
					2700
					2800
					2900
					3000
					3100
					3200
					3300
					3400
					3500
					3600
					3700
					3800
					3900
					4000
					4100
					4200
					4300
					4400
					4500
					4600
					4700
					4800
					4900

Bridge } No. 5070 Date, May 19, 1905
Hydrog. }
Sdg. Mch. Electric Reel Shot } 0 lbs.
Lead }
Turns Cor'n Depth 0 fms.
Sdg. Cup No. 1 Int. Bot'm Sample
Character of Bottom No Bottom

Thermom. { Make -----
 { No. -----

Cor'n { Instr. -----
 { Stem. -----

Bottom Reading Cor'd Temp.

Temp. Surf. { 52° Time 3:26 P } Air { 61°
Time

Density: Surf. _____ fms. _____

Wind: Direction S 7th Ave Force 2

Baromet. 30.12 Amt. of Clouds 10 State of Sea

Weather over

Direction and Force of Current.	{	Surface	
		Bottom	

Tide _____

General Locality Off Washington coast

Position Destruction Is. light bears $N 29^{\circ} E$ (true) distant
26.5 miles

Chart used: No. 6400 Ed'n

Drift: Direction	Distance
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Depth of Haul

Apparatus and Rig used ..

Time towing h. m.

Remarks:

Deck Officer *John C. ...* Recorder *...*

SOUNDING WIRE.						FMS.	DREDGING CABLE.		
P. M. Down.			Up. P. M.				M. Down.	Up.	M.
3	21	05	3	25	10	0			
3	22	25	3	22	30	100			
						200			
						300			
						400			
						500			
						600			
						700			
						800			
						900			
						1000			
						1100			
						1200			
						1300			
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						3200			
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						3500			
						3600			
						3700			
						3800			
						3900			
						4000			
						4100			
						4200			
						4300			
						4400			
						4500			
						4600			
						4700			
						4800			
						4900			

(11)
Dredge } No. 5971 Date, Jan. 26, 1915
Hydrog. }
Sdg. Mch. 30 Reel 21 Shot Lead 30 lbs.

Turns _____ Cor'n _____ Depth 77 fms.

Sdg. Cup 10' Amt. Bot'm Sample _____

Character of Bottom (fine wh. S., gn. M)

Thermom. { Make _____ Cor'n { Instr. _____
No. _____ Stem. _____

Bottom Reading _____ Cor'd Temp. _____

Temp. Surf. { 52.0 Time 3:39 } Air { 61.0 }
Time _____

Density: Surf. _____ fms. _____

Wind: Direction S by E Force 2

Baromet. 30.12 Amt. of Clouds 10 State of Sea _____

Weather 0 m.

Direction and Force of Current { Surface _____
Bottom _____

Tide _____

General Locality Off coast of Washington

Position Destruction Is. Light bears N ^{28 1/2} ~~28~~ E (true) distant 2.55 miles

Chart used: No. 6400 Ed'n. 25-2

Drift: Direction _____ Distance _____

Depth of Haul _____

Apparatus and Rig used _____

Time towing h. m.

Remarks: _____

Deck Officer M. Cassin Recorder J. Smith

SOUNDING WIRE.

FMS.

M. Down. | Up. | M.

DREDGING CABLE.

M. Down. | Up. | M.

10	35	20	3	37	10	0
35	55	3	36	00	77	400
						200
						300
						400
						500
						600
						700
						800
						900
						1000
						1100
						1200
						1300
						1400
						1500
						1600
						1700
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						1900
						2000
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						2800
						2900
						3000
						3100
						3200
						3300
						3400
						3500
						3600
						3700
						3800
						3900
						4000
						4100
						4200
						4300
						4400
						4500
						4600
						4700
						4800
						4900

(12)

Hydrog. No. 778 Date, Jan 2, 1915
Sdg. Mch. Reel Shot/Lead lbs.
Turns Cor'n Depth 68 fms.

Sdg. Cup Amt. Bot'm Sample
Character of Bottom

Thermom. { Make Cor'n { Instr.
 { No. { Stem.

Bottom Reading Cor'd Temp.

Temp. Surf. { Time 3:51 Air {
 { { Time

Density: Surf. fms.

Wind: Direction S E Force 2

Baromet. 30.11 Amt. of Clouds State of Sea

Weather om

Direction and Force of Current { Surface
 { Bottom

Tide

General Locality Off Washington coast

Position Destruction Is. Light bears N 29° E (true) distant 24.6 miles
Chart used: No. 6400 Ed'n

Drift: Direction Distance

Depth of Haul

Apparatus and Rig used

Time towing h. m.

Remarks:

Deck Officer Recorder

SOUNDING WIRE.

FMS.

DREDGING CABLE.

P.M. Down. Up. A.M.

M. Down. Up. M.

3	50	55	3	52	5	0
3	50	50	3	51	10	68
						100
						200
						300
						400
						500
						600
						700
						800
						900
						1000
						1100
						1200
						1300
						1400
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						1600
						1700
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						3200
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						3400
						3500
						3600
						3700
						3800
						3900
						4000
						4100
						4200
						4300
						4400
						4500
						4600
						4700
						4800
						4900

Dredge } No. *5772* Date, *July 26*, 19 *15*
Hydrog. }
Sdg. Mch. *Electric* Reel *Electric* Shot *30* lbs.
 Lead *64*
 Turns _____ Cor'n _____ Depth *64* fms.
Sdg. Cup _____ Amt. Bot'm Sample _____
 Character of Bottom _____
 Thermom. { Make _____ Cor'n { Instr. _____
 { No. _____ { Stem. _____
 Bottom Reading _____ Cor'd Temp. _____
 Temp. Surf. { *62* Time *1.06* } Air { *61* }
 { _____ Time _____ } { _____ }
 Density: Surf. _____ fms. _____
 Wind: Direction *SE* Force *2*
 Baromet. *30.11* Amt. of Clouds *10* State of Sea *1*
 Weather *bc*
 Direction and Force of Current { Surface _____
 { Bottom _____
 Tide _____

General Locality. *Off Washington coast*
 Position *Destruction Is. light bears N 30° E (true) distant 23.8 miles*
 Chart used: No. *6400* Ed'n _____
 Drift: Direction _____ Distance _____
 Depth of Haul _____
 Apparatus and Rig used _____
 Time towing _____ h. _____ m.
 Remarks: _____

Deck Officer _____ Recorder *Parker*
 11-1023

SOUNDING WIRE.		FMS.	DREDGING CABLE.		
P. M. DOWN.	UP. P. M.		M. DOWN.	UP.	M.
4 03 20	4 04 11	0			
4 03 43	4 03 46	400			
		200			
		300			
		400			
		500			
		600			
		700			
		800			
		900			
		1000			
		1100			
		1200			
		1300			
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		4000			
		4100			
		4200			
		4300			
		4400			
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		4600			
		4700			
		4800			
		4900			

(121)
Dredge } No. _____ Date, _____, 19____
Hydrog. }
Sdg. Mch. _____ Reel _____ Shot }
Lead } 50 lbs.
Turns _____ Cor'n _____ Depth _____ fms.

Sdg. Cup _____ Amt. Bot'm Sample _____
Character of Bottom _____, fine blk S

Thermom. { Make _____ Cor'n { Instr. _____
No. _____ Stem. _____

Bottom Reading _____ Cor'd Temp. _____

Temp. Surf. { Time _____ }
Time _____ } Air {

Density: Surf. _____ fms. _____

Wind: Direction _____ Force _____

Baromet. 30.11 Amt. of Clouds 10 State of Sea _____

Weather _____

Direction and Force of Current { Surface _____
Bottom _____

Tide _____

General Locality Off Washington Coast

Position Destruction Is. Light bears N 31° E (true) distant 22.0 miles

Chart used: No. 6400 Ed'n _____

Drift: Direction _____ Distance _____

Depth of Haul _____

Apparatus and Rig used _____

Time towing _____ h. _____ m.

Remarks: _____

Deck Officer _____ Recorder _____

SOUNDING WIRE.			FMS.	DREDGING CABLE.		
M. Down.	Up.	M.		M. Down.	Up.	M.
4 19 36	4 20 58		0			
4 20 02	4 20 01		100			
			200			
			300			
			400			
			500			
			600			
			700			
			800			
			900			
			1000			
			1100			
			1200			
			1300			
			1400			
			1500			
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			2800			
			2900			
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			3100			
			3200			
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			3900			
			4000			
			4100			
			4200			
			4300			
			4400			
			4500			
			4600			
			4700			
			4800			
			4900			

Trawl } No. _____ Date, _____, 19__

Hydrog. }
Sdg. Mch. _____ Reel _____ Shot/Lead } 30 lbs.

Turns _____ Cor'n _____ Depth 75 fms.

Sdg. Cup _____ Amt. Bot'm Sample _____

Character of Bottom 0 4 s. brown mud

Thermom. { Make _____ Cor'n { Instr. _____
 { No. _____ { Stem. _____

Bottom Reading _____ Cor'd Temp. _____

Temp. Surf. { 52 Time 4:46 } Air { 61'
 { _____ Time _____ } _____

Density: Surf. _____ fms. _____

Wind: Direction S x E Force 2

Baromet. 30.11 Amt. of Clouds 10 State of Sea L

Weather bc

Direction and Force of Current { Surface _____
 { Bottom _____

Tide _____

General Locality off Washington coast

Position Destruction Is. Light bears N 33° E (true) distant 23.9 miles

Chart used: No. 6400 Ed'n _____

Drift: Direction _____ Distance _____

Depth of Haul _____

Apparatus and Rig used _____

Time towing _____ h. _____ m.

Remarks: _____

Deck Officer _____ Recorder _____

SOUNDING WIRE.						FMS.	DREDGING CABLE.		
M.	Down.	Up.	M.	Down.	Up.		M.	Down.	Up.
4	43	55	4	45	27	0			
4	44	23	4	44	26	75			
						100			
						200			
						300			
						400			
						500			
						600			
						700			
						800			
						900			
						1000			
						1100			
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						3700			
						3800			
						3900			
						4000			
						4100			
						4200			
						4300			
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						4500			
						4600			
						4700			
						4800			
						4900			

(16)
Dredge } No. 3776 Date, July 1911
Hydrog. }
Sdg. Mch. Reel Shot Defect lbs.
Turns Cor'n Depth 200 fms.
Sdg. Cup Amt. Bot'm Sample.
Character of Bottom 7-00

Thermom. { Make Cor'n { Instr.
No. Stem.

Bottom Reading Cor'd Temp.

Temp. Surf. { 52 Time 5:07 } Air { 50
Time

Density: Surf. fms.

Wind: Direction SSE Force 1

Baromet. 30.12 Amt. of Clouds 10 State of Sea 4

Weather bc

Direction and Force of Current { Surface
Bottom

Tide

General Locality Off Washington coast

Position Destruction Is. Light bears N 34 1/2° E (true) distant 25.9 miles

Chart used: No. 6400 Ed'n

Drift: Direction Distance

Depth of Haul

Apparatus and Rig used

Time towing h. m.

Remarks: 1/2

Deck Officer L. H. Flick Recorder T. H. Barker

Dredge } No. _____ Date, _____, 19 ____
Hydrog. }
Sdg. Mch. _____ Reel _____ Shot } 2 lbs.
Lead }
Turns _____ Cor'n _____ Depth 200 fms.
Sdg. Cup 6 mm (soft trap) Amt. Bot'm Sample _____
Character of Bottom _____

Thermom. { Make _____ Cor'n { Instr. _____
No. _____ Stem. _____

Bottom Reading _____ Cor'd Temp. _____

Temp. Surf. { 52° Time 5:30 P. } Air { 60°
Time _____ }

Density: Surf. _____ fms. _____

Wind: Direction SSE Force 7

Baromet. 30.12 Amt. of Clouds 10 State of Sea L

Weather 0

Direction and Force of Current { Surface _____
Bottom _____

Tide _____

General Locality Off Washington Coast

Position Destruction Is. Light bears N 36° E (true) distant
27.8 miles

Chart used: No. 6400 Ed'n _____

Drift: Direction _____ Distance _____

Depth of Haul _____

Apparatus and Rig used _____

Time towing _____ h. _____ m.

Remarks: _____

Deck Officer _____ Recorder _____

SOUNDING WIRE.		FMS.	DREDGING CABLE.		
P. M. Down.	Up. P. M.		M. Down.	Up.	M.
5 24 45	5 21 55	0			
5 26 00	5 20 00	100			
		200			
		300			
		400			
		500			
		600			
		700			
		800			
		900			
		1000			
		1100			
		1200			
		1300			
		1400			
		1500			
		1600			
		1700			
		1800			
		1900			
		2000			
		2100			
		2200			
		2300			
		2400			
		2500			
		2600			
		2700			
		2800			
		2900			
		3000			
		3100			
		3200			
		3300			
		3400			
		3500			
		3600			
		3700			
		3800			
		3900			
		4000			
		4100			
		4200			
		4300			
		4400			
		4500			
		4600			
		4700			
		4800			
		4900			

Dredge } No. 27-29 Date, Aug 11, 1900
Hydrog. }
Sdg. Mch. _____ Reel _____ Shot/Lead _____ lbs.
Turns _____ Cor'n _____ Depth 200 fms.
Sdg. Cup _____ Amt. Bot'm Sample _____
Character of Bottom _____ 200

Thermom. { Make _____ Cor'n { Instr. _____
 { No. _____ { Stem. _____

Bottom Reading _____ Cor'd Temp. _____

Temp. Surf. { Time _____ } Air { 60°
 { Time _____ }

Density: Surf. _____ fms. _____

Wind: Direction S.S.E Force 1

Baromet. 30.12 Amt. of Clouds 10 State of Sea L

Weather Cloud

Direction and Force of Current { Surface _____
 { Bottom _____

Tide _____

General Locality Off Washington coast

Position Destruction Is. Light bears N 37° E (true) distant
29.8 miles

Chart used: No. 6400 Ed'n _____

Drift: Direction _____ Distance _____

Depth of Haul _____

Apparatus and Rig used _____

Time towing _____ h. _____ m.

Remarks: _____

Deck Officer W. H. Miller Recorder L. Miller

SOUNDING WIRE.			FMS.	DREDGING CABLE.		
M. Down.	Up.	M.		M. Down.	Up.	M.
5	43	33	0			
5	45	12	100			
			200			
			300			
			400			
			500			
			600			
			700			
			800			
			900			
			1000			
			1100			
			1200			
			1300			
			1400			
			1500			
			1600			
			1700			
			1800			
			1900			
			2000			
			2100			
			2200			
			2300			
			2400			
			2500			
			2600			
			2700			
			2800			
			2900			
			3000			
			3100			
			3200			
			3300			
			3400			
			3500			
			3600			
			3700			
			3800			
			3900			
			4000			
			4100			
			4200			
			4300			
			4400			
			4500			
			4600			
			4700			
			4800			
			4900			

Dredge } No. 5779 Date, , 19
Hydrog. }
Sdg. Mch. Reel 1014 Shot 30 lbs.
Lead }
Turns Cor'n Depth 20 fms.
Sdg. Cup Amt. Bot'm Sample
Character of Bottom no brk

Thermom. { Make Cor'n { Instr.
No. Stem.

Bottom Reading Cor'd Temp.

Temp. Surf. { 52° Time Air { 60°
Time

Density: Surf. fms.

Wind: Direction S S E Force 1

Baromet. 30.12 Amt. of Clouds 10 State of Sea I

Weather fog.

Direction and Force of Current { Surface
Bottom

Tide

General Locality off Washington coast

Position Grays Harbor Light bears N 57 1/2° E (true) distant 40.0 miles

Chart used: No. 6400 Ed'n 113

Drift: Direction Distance

Depth of Haul

Apparatus and Rig used

Time towing h. m.

Remarks:

Deck Officer Mr. Giff Recorder (J. H. H. H.)

SOUNDING WIRE.				FMS.	DREDGING CABLE.		
M. Down.	Up.	P.	M.		M. Down.	Up.	M.
6' 05 45 6	10	00		0			
6 07 00 6	07	12		100			
				200			
				300			
				400			
				500			
				600			
				700			
				800			
				900			
				1000			
				1100			
				1200			
				1300			
				1400			
				1500			
				1600			
				1700			
				1800			
				1900			
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				2100			
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				2400			
				2500			
				2600			
				2700			
				2800			
				2900			
				3000			
				3100			
				3200			
				3300			
				3400			
				3500			
				3600			
				3700			
				3800			
				3900			
				4000			
				4100			
				4200			
				4300			
				4400			
				4500			
				4600			
				4700			
				4800			
				4900			

Dredge } No. _____ Date, _____ 26, 1915
 Hydrog. }
 Sdg. Mch. _____ Reel _____ Shot } 30 lbs.
 Lead }
 Turns _____ Cor'n _____ Depth ⁶ 200 fms.
 Sdg. Cup *Amalg (sft cup)* Amt. Bot'm Sample _____
 Character of Bottom *no bottom, a l*
 Thermom. { Make _____ Cor'n { Instr. _____
 { No. _____ { Stem. _____
 Bottom Reading _____ Cor'd Temp. _____
 Temp. Surf. { *50* Time *5* } Air { *60*⁹
 { _____ Time _____ }
 Density: Surf. _____ fms. _____
 Wind: Direction *SSE* Force *1*
 Baromet. *30.12* Amt. of Clouds *0* State of Sea _____
 Weather *cr*
 Direction and Force of Current { Surface _____
 { Bottom _____
 Tide _____

General Locality *Off Washington coast*

Position *Grays Harbor Light bears N 60° E (true) distant 38.9 miles*

Chart used: No. *6400* Ed'n *5*

Drift: Direction _____ Distance _____

Depth of Haul _____

Apparatus and Rig used _____

Time towing _____ h. _____ m.

Remarks:

Deck Officer *Mr. Glick*

Recorder *Smith*

SOUNDING WIRE.						FMS.	DREDGING CABLE.		
M. Down.			Up.	M.			M. Down.	Up.	M.
6	25	00	6	28	00	0			
6	26	30	6	26	35	100			
						200			
						300			
						400			
						500			
						600			
						700			
						800			
						900			
						1000			
						1100			
						1200			
						1300			
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						3100			
						3200			
						3300			
						3400			
						3500			
						3600			
						3700			
						3800			
						3900			
						4000			
						4100			
						4200			
						4300			
						4400			
						4500			
						4600			
						4700			
						4800			
						4900			

①
Dredge } No. 5981 Date, Aug 27, 1915
Hydrog. }
Sdg. Mch. 2000 Reel 1500 Shot 30 lbs.
Leads }
Turns _____ Cor'n _____ Depth 82 fms.
Sdg. Cup _____ Amt. Bot'm Sample _____
Character of Bottom Gray Sand

Thermom. { Make _____ Cor'n { Instr. _____
No. _____ Stem. _____

Bottom Reading _____ Cor'd Temp. _____

Temp. Surf. { _____ Time 11:40 } Air { _____
Time _____

Density: Surf. _____ fms. _____

Wind: Direction S 20 W Force 1

Baromet. 30.05 Amt. of Clouds 10 State of Sea _____

Weather Partly B'ly

Direction and Force of Current { Surface _____
Bottom _____

Tide _____

General Locality Off Washington coast

Position Destruction Is. Light bears S 73 1/2° E (true) distant 23.3 miles

Chart used: No. 6400 Ed'n 22.8

Drift: Direction _____ Distance _____

Depth of Haul _____

Apparatus and Rig used _____

Time towing _____ h. _____ m.

Remarks: _____

Deck Officer Mr. Cassin Recorder Blaker

SOUNDING WIRE.			FMS.	DREDGING CABLE.		
M. Down.	Up.	M.		M. Down.	Up.	M.
8	39	00	8	39	10	8
			0			
			200			
			300			
			400			
			500			
			600			
			700			
			800			
			900			
			1000			
			1100			
			1200			
			1300			
			1400			
			1500			
			1600			
			1700			
			1800			
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			2100			
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			2700			
			2800			
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			3100			
			3200			
			3300			
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			3500			
			3600			
			3700			
			3800			
			3900			
			4000			
			4100			
			4200			
			4300			
			4400			
			4500			
			4600			
			4700			
			4800			
			4900			

Dredge } No. _____ Date, _____, 19__
Hydrog. }

Sdg. Mch. _____ Reel _____ Shot/Lead _____ lbs.

Turns _____ Cor'n _____ Depth 17-8 fms.

Sdg. Cup/_____ Amt. Bot'm Sample _____

Character of Bottom (_____) fine L. K. G. g. m. M. gran. Shale

Thermom. { Make _____ Cor'n { Instr. _____
 { No. _____ { Stem. _____

Bottom Reading _____ Cor'd Temp. _____

Temp. Surf. { _____ Time _____ } Air { _____
 { _____ Time _____ }

Density: Surf. _____ fms. _____

Wind: Direction _____ Force _____

Baromet. 30.08 Amt. of Clouds 10 State of Sea _____

Weather 0.122

Direction and Force of Current { Surface _____
 { Bottom _____

Tide _____

General Locality off Washington coast

Position Destruction Is. Light bears S 7 1/2° E (true) distant 24.2 miles

Chart used: No. 6400 Ed'n 23.8

Drift: Direction _____ Distance _____

Depth of Haul _____

Apparatus and Rig used _____

Time towing _____ h. _____ m.

Remarks: _____

Deck Officer Mr. Cassin Recorder. Blaker

SOUNDING WIRE.						FMS.	DREDGING CABLE.		
M. Down.		Up.	M.		M. Down.		Up.	M.	
8	49	30	8	52	20	0			
8	50	10	8	51	00	100			
8	50	30	8	50	40	200			
						300			
						400			
						500			
						600			
						700			
						800			
						900			
						1000			
						1100			
						1200			
						1300			
						1400			
						1500			
						1600			
						1700			
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						3200			
						3300			
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						3800			
						3900			
						4000			
						4100			
						4200			
						4300			
						4400			
						4500			
						4600			
						4700			
						4800			
						4900			

(9)
Dredge } No. 2787 Date, July 1, 1905

Hydrog. }
Sdg. Mch. Reel Shot Lead 27 lbs.

Turns Cor'n Depth 127 fms.

Sdg. Cup Amt Bot'm Sample

Character of Bottom

Thermom. { Make No.

Cor'n { Instr. Stem.

Bottom Reading Cor'd Temp.

Temp. Surf. { Time Air {

Density: Surf. fms.

Wind: Direction Force

Baromet. 30.18 Amt. of Clouds 10 State of Sea

Weather

Direction and Force of Current { Surface Bottom

Tide

General Locality off Washington coast

Position Destruction Is. Light bears $570\frac{1}{2}^{\circ}$ E (true) distant 28.1 miles

Chart used: No. 6400 Ed'n 277

Drift: Direction Distance

Depth of Haul

Apparatus and Rig used

Time towing h. m.

Remarks:

Deck Officer M. Cassidy Recorder E. Miller

SOUNDING WIRE.				FMS.	DREDGING CABLE.		
M. Down.	Up.	M.			M. Down.	Up.	M.
35	20	9	28	0			
7	35	00	9	100			
	30	00		200			
				300			
				400			
				500			
				600			
				700			
				800			
				900			
				1000			
				1100			
				1200			
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				2400			
				2500			
				2600			
				2700			
				2800			
				2900			
				3000			
				3100			
				3200			
				3300			
				3400			
				3500			
				3600			
				3700			
				3800			
				3900			
				4000			
				4100			
				4200			
				4300			
				4400			
				4500			
				4600			
				4700			
				4800			
				4900			

Dredge } No. _____ Date, _____, 19____
Hydrog. }
Sdg. Mch. W. L. L. L. Reel W. L. L. L. Shot } 30 lbs.
Lead }

Turns Cor'n Depth 125 fms.

Sdg. Cup *Amt. Bot'm*
Sample

Character of Bottom (fine gr S)

Thermom. { *Make* *Cor'n* { *Instr.*
 { *No.* { *Stem.*

Bottom Reading *Cor'd Temp.*

Temp. Surf. { $\frac{71}{-}$ Time $\frac{10}{-}$ } Air { $\frac{64}{-}$ }

Density: Surf.  fms.

Wind: Direction Force

Baromet. 30.06 Amt. of Clouds 10 State of Sea ..

Weather

Direction and Force of Current, $\left\{ \begin{array}{l} \text{Surface} \\ \text{Bottom} \end{array} \right.$

Title _____

General Locality *Off Washington coast*

Position Destruction Is. light bears S 68° E (true) distant 30.0 miles

Chart used: No. 6400 Ed'n 295

Drift: Direction Distance

Depth of Haul

Apparatus and Rig used

Time towing h, m,

Remarks: 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 31 32 33 34 35 36 37 38 39 40 41 42 43 44 45 46 47 48 49 50 51 52 53 54 55 56 57 58 59 60 61 62 63 64 65 66 67 68 69 70 71 72 73 74 75 76 77 78 79 80 81 82 83 84 85 86 87 88 89 90 91 92 93 94 95 96 97 98 99 100

Deck Officer Recorder. 11-1023

SOUNDING WIRE.

M. Down. | Up. | M.

FMS.

DREDGING CABLE.

M. Down. | Up. | M.

0

100

200

300

400

500

600

700

800

900

1000

1100

1200

1300

1400

1500

1600

1700

1800

1900

2000

2100

2200

2300

2400

2500

2600

2700

2800

2900

3000

3100

3200

3300

3400

3500

3600

3700

3800

3900

4000

4100

4200

4300

4400

4500

4600

4700

4800

4900

Dredge } No. _____ Date, _____, 19 ____
Hydrog. }

Sdg. Mch. *W. L. C. M.* Reel *212* Shot Lead *30* lbs.

Turns _____ Cor'n _____ Depth *105* fms.

Sdg. Cup *222* Amt. Bot'm Sample _____

Character of Bottom _____

crs. brk s, fine gn s

Thermom. { Make _____ Cor'n { Instr. _____
 { No. _____ { Stem. _____

Bottom Reading _____ Cor'd Temp. _____

Temp. Surf. { _____ Time _____ } Air { _____
 { _____ Time _____ }

Density: Surf. _____ fms. _____

Wind: Direction _____ Force _____

Baromet. _____ Amt. of Clouds *10* State of Sea *2*

Weather _____

Direction and Force of Current { Surface _____
 { Bottom _____

Tide _____

General Locality *Off Washington coast*

Position *Unstilla light Ship bears N 41° E (true) distant 22.5 miles*

Chart used: No. *6400* Ed'n _____

Drift: Direction _____ Distance _____

Depth of Haul _____

Apparatus and Rig used _____

Time towing _____ h. _____ m.

Remarks: _____

SOUNDING WIRE.

FMS.

DREDGING CABLE.

C. M. Down. Up. C. M.

M. Down. Up. M.

10 18 12 10 18 20 105
 0
 100
 200
 300
 400
 500
 600
 700
 800
 900
 1000
 1100
 1200
 1300
 1400
 1500
 1600
 1700
 1800
 1900
 2000
 2100
 2200
 2300
 2400
 2500
 2600
 2700
 2800
 2900
 3000
 3100
 3200
 3300
 3400
 3500
 3600
 3700
 3800
 3900
 4000
 4100
 4200
 4300
 4400
 4500
 4600
 4700
 4800
 4900

Dredge } No. 2987 Date, July 27, 1910
Hydrog. }
Sdg. Mch. Reel Shot Lead 130 lbs.

Turns Cor'n Depth 128 fms.

Sdg. Cup Amt. Bot'm Sample

Character of Bottom () fine y.

Thermom. { Make Cor'n { Instr.
No. Stem.

Bottom Reading Cor'd Temp.

Temp. Surf. { 51 Time 10 40 Air { 57.0
Time

Density: Surf. fms.

Wind: Direction 206 Force 1

Baromet. 30.8 Amt. of Clouds 10 State of Sea

Weather

Direction and Force of Current { Surface
Bottom

Tide

General Locality Off Washington coast

Position Unmatilla light Ship bears N46°E (true) distant 22.2 miles

Chart used: No. 6400 Ed'n 21.9

Drift: Direction Distance

Depth of Haul

Apparatus and Rig used

Time towing h. m.

Remarks:

Deck Officer H. L. Allen Recorder H. L. Allen

SOUNDING WIRE.			FMS.	DREDGING CABLE.		
M. Down.	Up.	M.		M. Down.	Up.	M.
10 31	10 15	10	0			
10 32	10 16	10	100			
10 33	10 17	10	200			
			300			
			400			
			500			
			600			
			700			
			800			
			900			
			1000			
			1100			
			1200			
			1300			
			1400			
			1500			
			1600			
			1700			
			1800			
			1900			
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			2400			
			2500			
			2600			
			2700			
			2800			
			2900			
			3000			
			3100			
			3200			
			3300			
			3400			
			3500			
			3600			
			3700			
			3800			
			3900			
			4000			
			4100			
			4200			
			4300			
			4400			
			4500			
			4600			
			4700			
			4800			
			4900			

Dredge } No. 5988 Date, July 1, 1901
Hydrog. }
Sdg. Mch. Electric Reel Shot Lead lbs.
Turns Cor'n Depth 1 1/2 fms.
Sdg. Cup Sumner No. 110 Amt. Bot'm Sample
Character of Bottom Green mud

Thermom. { Make Cor'n { Instr.
No. Stem.

Bottom Reading Cor'd Temp.

Temp. Surf. { 51 Time 11:00 } Air { 59°
Time

Density: Surf. fms.

Wind: Direction ESE Force 1

Baromet. 30.0 Amt. of Clouds 10 State of Sea L

Weather bc

Direction and Force of Current { Surface
Bottom

Tide

General Locality Off Washington Coast

Position Unatilla Light Ship bears N 51° E (true) distant 22.0 miles

Chart used: No. 6400 Ed'n 21.0

Drift: Direction Distance

Depth of Haul

Apparatus and Rig used

Time towing h. m.

Remarks:

Deck Officer Recorder

SOUNDING WIRE.

a M. Down. | Up. *a* M.

FMS.

DREDGING CABLE.

--- M. Down. | Up. --- M.

10	0
10	100
10	200
	300
	400
	500
	600
	700
	800
	900
	1000
	1100
	1200
	1300
	1400
	1500
	1600
	1700
	1800
	1900
	2000
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	2200
	2300
	2400
	2500
	2600
	2700
	2800
	2900
	3000
	3100
	3200
	3300
	3400
	3500
	3600
	3700
	3800
	3900
	4000
	4100
	4200
	4300
	4400
	4500
	4600
	4700
	4800
	4900

Dredge } No. _____ Date, _____, 1911
Hydrog. }
Sdg. Mch. _____ Reel _____ Shot _____ lbs.
Lead _____

Turns _____ Cor'n _____ Depth 91 fms.

Sdg. Cup _____ Amt. Bot'm Sample _____

Character of Bottom _____
G. cor. bryoz.

Thermom. { Make _____ Cor'n { Instr. _____
No. _____ Stem. _____

Bottom Reading _____ Cor'd Temp. _____

Temp. Surf. { 51 Time 11:15 } Air { 59-
Time _____

Density: Surf. _____ fms. _____

Wind: Direction S.W. Force 1

Baromet. 30.50 Amt. of Clouds 10 State of Sea 1

Weather cloudy

Direction and Force of Current { Surface _____
Bottom _____

Tide _____

General Locality Off Washington coast

Position Unatilla Light Ship bears N 53 1/2 E (true) distant 21.7 miles

Chart used: No. 6400 Ed'n _____

Drift: Direction _____ Distance _____

Depth of Haul _____

Apparatus and Rig used _____

Time towing _____ h. _____ m.

Remarks: _____

Deck Officer _____ Recorder _____

SOUNDING WIRE.

FMS.

DREDGING CABLE.

M. Down.

Up.

M.

M. Down.

Up.

M.

0

100

200

300

400

500

600

700

800

900

1000

1100

1200

1300

1400

1500

1600

1700

1800

1900

2000

2100

2200

2300

2400

2500

2600

2700

2800

2900

3000

3100

3200

3300

3400

3500

3600

3700

3800

3900

4000

4100

4200

4300

4400

4500

4600

4700

4800

4900

Dredge } No. 5990 Date, , 19
Hydrog. }
Sdg. Mch. Elect Reel Shot Lead lbs.

Turns Cor'n Depth fms.

Sdg. Cup Amt. Bot'm Sample

Character of Bottom (7m) cross fine gy. S

Thermom. { Make Cor'n { Instr. No. Stem.

Bottom Reading Cor'd Temp.

Temp. Surf. { Time 11:30 } Air { 59°
Time

Density: Surf. fms.

Wind: Direction 5-3-85 Force

Baromet. Amt. of Clouds 10 State of Sea 1-2

Weather

Direction and Force of Current { Surface Bottom

Tide

General Locality off Washington coast

Position Umatilla Light Ship bears N56°E (true) distant 20.8 miles

Chart used: No. 6400 Ed'n

Drift: Direction Distance

Depth of Haul

Apparatus and Rig used

First 1-26
Second 11-26-50-Kosch

Time towing h. m.

Remarks:

1st haul returned at 11:00 AM (haul lost)
2nd " " 11:33 AM

Deck Officer Mr. Cassin Recorder Blaker

Mr. G. C. E. Volney 11-1023

SOUNDING WIRE.

FMS.

DREDGING CABLE.

M. Down. Up. C. M.

M. Down. Up. M.

11 30 11 27 50

11 30 10 11 26 20

Large Net 42

34 11 11 26 20

11 30 10 11 26 20

11 30 10 11 26 20

11 30 10 11 26 20

11 30 10 11 26 20

11 30 10 11 26 20

11 30 10 11 26 20

11 30 10 11 26 20

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11 30 10 11 26 20

11 30 10 11 26 20

11 30 10 11 26 20

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11 30 10 11 26 20

11 30 10 11 26 20

11 30 10 11 26 20

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11 30 10 11 26 20

(1.)
Hydrog. } No. 591 Date, June 10, 1915
Sdg. Mch. Lucas Reel L Shot/Lead 35 lbs.
Turns Cor'n Depth 749 fms.
Sdg. Cup Sigsbee Amt. Bot'm Sample 700
Character of Bottom (fine) Rky.

Thermom. { Make None Cor'n { Instr. Stem.

Bottom Reading No thermos Cor'd Temp.

Temp. Surf. { 73 Time 6:00 } Air { 80
Time

Density: Surf. fms.

Wind: Direction S E Force 2

Baromet. 30.20 Amt. of Clouds 9 State of Sea S

Weather B.

Direction and Force of Current { Surface Bottom

Tide

General Locality Off Washington coast

Position Destruction Is Light bears 568° E (true) distant 39 miles

Chart used: No. Clothing Sheet No 9 Ed'n 415

Drift: Direction Distance

Depth of Haul

Apparatus and Rig used

Time towing h. m.

Remarks:

Deck Officer Recorder

SOUNDING WIRE.			FMS.	DREDGING CABLE.		
M. Down.	Up.	M.		M. Down.	Up.	M.
5 44 20	5 53 15		0			
45 05	52 30		100			
45 50	52 00		200			
46 35	51 30		300			
47 35	51 00		400			
48 10	50 15		500			
5 48 50	5 49 50	549	600			
			700			
			800			
			900			
			1000			
			1100			
			1200			
			1300			
			1400			
			1500			
			1600			
			1700			
			1800			
			1900			
			2000			
			2100			
			2200			
			2300			
			2400			
			2500			
			2600			
			2700			
			2800			
			2900			
			3000			
			3100			
			3200			
			3300			
			3400			
			3500			
			3600			
			3700			
			3800			
			3900			
			4000			
			4100			
			4200			
			4300			
			4400			
			4500			
			4600			
			4700			
			4800			
			4900			

(2.)
Dredge } No. 721 Date, Aug. 10, 1915
Hydrog. }
Sdg. Mch. Lucas Reel 2 Shot 30 lbs.
Leads

Turns Cor'n Depth 500 fms.

Sdg. Cup Sft. Soap Amt. Bot'm Sample

Character of Bottom No bottom at 500 fathoms.

Thermom. { Make Cor'n { Instr.
No. Stem.

Bottom Reading Cor'd Temp.

Temp. Surf. { 53° Time 6.47 ~ } Air { 58°
Time

Density: Surf. fms.

Wind: Direction SE Force 3

Baromet. 30.20 Amt. of Clouds 10 State of Sea

Weather

Direction and Force of Current { Surface
Bottom

Tide

General Locality Off Washington coast

Position Destruction Id light bears S 73° E, (true) distant 4.2 miles

Chart used: No Plotting Sheet No 9 Ed'n

Drift: Direction Distance

Depth of Haul

Apparatus and Rig used

Time towing h. m.

Remarks:

Deck Officer Mr. Chapin Recorder

SOUNDING WIRE.			FMS.	DREDGING CABLE.		
M. Down.	Up.	M.		M. Down.	Up.	M.
6 32 00	6 45 30		0			
32 30	44 25		95 100			
34 30			200			
37 25	42 00		300			
38 15	42 30		400			
39 05	41 40		500			
6 40 05	6 40 25		600			
			700			
			800			
			900			
			1000			
			1100			
			1200			
			1300			
			1400			
			1500			
			1600			
			1700			
			1800			
			1900			
			2000			
			2100			
			2200			
			2300			
			2400			
			2500			
			2600			
			2700			
			2800			
			2900			
			3000			
			3100			
			3200			
			3300			
			3400			
			3500			
			3600			
			3700			
			3800			
			3900			
			4000			
			4100			
			4200			
			4300			
			4400			
			4500			
			4600			
			4700			
			4800			
			4900			

Dredge } No. 772 Date, June 10, 1905

Sdg. Mch. Reel Shot Lead 30 lbs.

Turns Cor'n Depth 0 fms.

Sdg. Cup Amt. Bot'm Sample

Character of Bottom no bottom at 500

Thermom. { Make Cor'n { Instr. No. Stem.

Bottom Reading Cor'd Temp.

Temp. Surf. { 62.0 Time 7:25 Air { 62.0

Density: Surf. fms.

Wind: Direction S E Force 3

Baromet. 30.18 Amt. of Clouds 10 State of Sea

Weather

Direction and Force of Current { Surface Bottom

Tide

General Locality off Washington coast

Position Destruction Is. Light bears 577° E (true) distant 4.5 miles

Chart used: No. Plotting Sheet No 9, Ed'n

Drift: Direction Distance

Depth of Haul

Apparatus and Rig used

Time towing h. m.

Remarks:

Deck Officer Recorder

SOUNDING WIRE.			FMS.	DREDGING CABLE.		
A. M. Down.	Up.	A. M.		M. Down.	Up.	M.
7 24 15	7 33 25		0			
25 15	32 45		100			
26 20	34 05		200			
27 15	31 25		300			
28 05	30 45		400			
7 29 05	7 29 55		500			
			600			
			700			
			800			
			900			
			1000			
			1100			
			1200			
			1300			
			1400			
			1500			
			1600			
			1700			
			1800			
			1900			
			2000			
			2100			
			2200			
			2300			
			2400			
			2500			
			2600			
			2700			
			2800			
			2900			
			3000			
			3100			
			3200			
			3300			
			3400			
			3500			
			3600			
			3700			
			3800			
			3900			
			4000			
			4100			
			4200			
			4300			
			4400			
			4500			
			4600			
			4700			
			4800			
			4900			

(4)

Trawl, } No. 5774 Date, Aug. 10, 1915
Hydrog. }

Sdg. Mch. Lucas Reel 2 Shot Lead 30 lbs.

Turns _____ Cor'n _____ Depth 260 fms.

Sdg. Cup _____ Amt. Bot'm Sample _____

Character of Bottom No. 1 at 500

Thermom. { Make _____ Cor'n { Instr. _____
No. _____ Stem. _____

Bottom Reading _____ Cor'd Temp. _____

Temp. Surf. { 54° Time 8:22 } Air { 64°
Time _____

Density: Surf. _____ fms. _____

Wind: Direction S.E. Force 3

Baromet. 30.17 Amt. of Clouds 10 State of Sea 2

Weather _____

Direction and Force of Current { Surface _____
Bottom _____

Tide _____

General Locality Off Washington Coast

Position Destruction Is. Light bears 580° E (true) distant 4.9 mile

Chart used: No. Plotting Sheet No 9 Ed'n 53

Drift: Direction _____ Distance _____

Depth of Haul _____

Apparatus and Rig used _____

Time towing h. m.

Remarks: _____

Deck Officer _____ Recorder Parker

SOUNDING WIRE.				FMS.	DREDGING CABLE.			
A	M. Down.	Up.	A. M.		M. Down.	Up.	M.	
8	12 15	8	20 00	0				
8	12 45	8	19 13	100				
8	13 20	8	18 33	200				
8	14 05	8	17 58	300				
8	15 08	8	17 15	400				
8	16 00	8	16 30	500				
				600				
				700				
				800				
				900				
				1000				
				1100				
				1200				
				1300				
				1400				
				1500				
				1600				
				1700				
				1800				
				1900				
				2000				
				2100				
				2200				
				2300				
				2400				
				2500				
				2600				
				2700				
				2800				
				2900				
				3000				
				3100				
				3200				
				3300				
				3400				
				3500				
				3600				
				3700				
				3800				
				3900				
				4000				
				4100				
				4200				
				4300				
				4400				
				4500				
				4600				
				4700				
				4800				
				4900				

Dredge } No. 1 Date, April 1, 1902
Hydrog. }

Sdg. Mch. *Lucas* Reel Shot *30* lbs. Lead

Turns	Cor'n	Depth	fms
1		10	10
2		20	20
3		30	30
4		40	40
5		50	50
6		60	60
7		70	70
8		80	80
9		90	90
10		100	100
11		110	110
12		120	120
13		130	130
14		140	140
15		150	150
16		160	160
17		170	170
18		180	180
19		190	190
20		200	200
21		210	210
22		220	220
23		230	230
24		240	240
25		250	250
26		260	260
27		270	270
28		280	280
29		290	290
30		300	300
31		310	310
32		320	320
33		330	330
34		340	340
35		350	350
36		360	360
37		370	370
38		380	380
39		390	390
40		400	400
41		410	410
42		420	420
43		430	430
44		440	440
45		450	450
46		460	460
47		470	470
48		480	480
49		490	490
50		500	500
51		510	510
52		520	520
53		530	530
54		540	540
55		550	550
56		560	560
57		570	570
58		580	580
59		590	590
60		600	600
61		610	610
62		620	620
63		630	630
64		640	640
65		650	650
66		660	660
67		670	670
68		680	680
69		690	690
70		700	700
71		710	710
72		720	720
73		730	730
74		740	740
75		750	750
76		760	760
77		770	770
78		780	780
79		790	790
80		800	800
81		810	810
82		820	820
83		830	830
84		840	840
85		850	850
86		860	860
87		870	870
88		880	880
89		890	890
90		900	900
91		910	910
92		920	920
93		930	930
94		940	940
95		950	950
96		960	960
97		970	970
98		980	980
99		990	990
100		1000	1000

Sdg. Cup *Hydrocotyle* *lanceolata* Amt. Bot'm Sample

Character of Bottom *at 500*

Thermom. { Make -----
 { No. -----

Cor'n { Instr. -----
 { Stem. -----

Bottom Reading _____ Cor'd Temp. _____

Temp. Surf.	Time	Air
	Time	

Density: Surf. fms.

Wind: Direction S. 6 Force 1

Baromet. 30.16 Amt. of Clouds 4 State of Sea 1

Weather *100°C*

Direction and Force of Current. $\left\{ \begin{array}{l} \text{Surface} \\ \text{Bottom} \end{array} \right.$

Tide 0 707 737 737 001 002 003 004 005 006 007 008 009 010 011 012 013 014 015 016 017 018 019 020 021 022 023 024 025 026 027 028 029 030 031 032 033 034 035 036 037 038 039 040 041 042 043 044 045 046 047 048 049 050 051 052 053 054 055 056 057 058 059 060 061 062 063 064 065 066 067 068 069 070 071 072 073 074 075 076 077 078 079 080 081 082 083 084 085 086 087 088 089 090 091 092 093 094 095 096 097 098 099 100 101 102 103 104 105 106 107 108 109 110 111 112 113 114 115 116 117 118 119 120 121 122 123 124 125 126 127 128 129 130 131 132 133 134 135 136 137 138 139 140 141 142 143 144 145 146 147 148 149 150 151 152 153 154 155 156 157 158 159 160 161 162 163 164 165 166 167 168 169 170 171 172 173 174 175 176 177 178 179 180 181 182 183 184 185 186 187 188 189 190 191 192 193 194 195 196 197 198 199 200 201 202 203 204 205 206 207 208 209 210 211 212 213 214 215 216 217 218 219 220 221 222 223 224 225 226 227 228 229 230 231 232 233 234 235 236 237 238 239 240 241 242 243 244 245 246 247 248 249 250 251 252 253 254 255 256 257 258 259 260 261 262 263 264 265 266 267 268 269 270 271 272 273 274 275 276 277 278 279 280 281 282 283 284 285 286 287 288 289 290 291 292 293 294 295 296 297 298 299 300 301 302 303 304 305 306 307 308 309 310 311 312 313 314 315 316 317 318 319 320 321 322 323 324 325 326 327 328 329 330 331 332 333 334 335 336 337 338 339 340 341 342 343 344 345 346 347 348 349 350 351 352 353 354 355 356 357 358 359 360 361 362 363 364 365 366 367 368 369 370 371 372 373 374 375 376 377 378 379 380 381 382 383 384 385 386 387 388 389 390 391 392 393 394 395 396 397 398 399 400 401 402 403 404 405 406 407 408 409 410 411 412 413 414 415 416 417 418 419 420 421 422 423 424 425 426 427 428 429 430 431 432 433 434 435 436 437 438 439 440 441 442 443 444 445 446 447 448 449 450 451 452 453 454 455 456 457 458 459 460 461 462 463 464 465 466 467 468 469 470 471 472 473 474 475 476 477 478 479 480 481 482 483 484 485 486 487 488 489 490 491 492 493 494 495 496 497 498 499 500 501 502 503 504 505 506 507 508 509 510 511 512 513 514 515 516 517 518 519 520 521 522 523 524 525 526 527 528 529 530 531 532 533 534 535 536 537 538 539 540 541 542 543 544 545 546 547 548 549 550 551 552 553 554 555 556 557 558 559 560 561 562 563 564 565 566 567 568 569 570 571 572 573 574 575 576 577 578 579 580 581 582 583 584 585 586 587 588 589 590 591 592 593 594 595 596 597 598 599 600 601 602 603 604 605 606 607 608 609 610 611 612 613 614 615 616 617 618 619 620 621 622 623 624 625 626 627 628 629 630 631 632 633 634 635 636 637 638 639 640 641 642 643 644 645 646 647 648 649 650 651 652 653 654 655 656 657 658 659 660 661 662 663 664 665 666 667 668 669 670 671 672 673 674 675 676 677 678 679 680 681 682 683 684 685 686 687 688 689 690 691 692 693 694 695 696 697 698 699 700 701 702 703 704 705 706 707 708 709 710 711 712 713 714 715 716 717 718 719 720 721 722 723 724 725 726 727 728 729 730 731 732 733 734 735 736 737 738 739 740 741 742 743 744 745 746 747 748 749 750 751 752 753 754 755 756 757 758 759 760 761 762 763 764 765 766 767 768 769 770 771 772 773 774 775 776 777 778 779 780 781 782 783 784 785 786 787 788 789 790 791 792 793 794 795 796 797 798 799 800 801 802 803 804 805 806 807 808 809 810 811 812 813 814 815 816 817 818 819 820 821 822 823 824 825 826 827 828 829 830 831 832 833 834 835 836 837 838 839 840 841 842 843 844 845 846 847 848 849 850 851 852 853 854 855 856 857 858 859 860 861 862 863 864 865 866 867 868 869 870 871 872 873 874 875 876 877 878 879 880 881 882 883 884 885 886 887 888 889 890 891 892 893 894 895 896 897 898 899 900 901 902 903 904 905 906 907 908 909 910 911 912 913 914 915 916 917 918 919 920 921 922 923 924 925 926 927 928 929 930 931 932 933 934 935 936 937 938 939 940 941 942 943 944 945 946 947 948 949 950 951 952 953 954 955 956 957 958 959 960 961 962 963 964 965 966 967 968 969 970 971 972 973 974 975 976 977 978 979 980 981 982 983 984 985 986 987 988 989 990 991 992 993 994 995 996 997 998 999 1000 1001 1002 1003 1004 1005 1006 1007 1008 1009 1010 1011 1012 1013 1014 10

General Locality .. Off Washington Coast ..

Position Destruction Is. Light bears $583^{\circ}E$ (true)

Chart used: No. Plotting Sheet distant 52 miles
Ed'n No 9 57.2

Drift: Direction _____ Distance _____

Depth of Haul _____

Apparatus and Rig used

Time towing h. m.

Remarks: _____

Deck Officer *M J H* Recorder *L L B*

SOUNDING WIRE.			FMS.	DREDGING CABLE.		
M. Down.	Up.	M.		M. Down.	Up.	M.
			0			
			100			
			200			
123			300			
			400			
			500			
			600			
			700			
			800			
			900			
			1000			
			1100			
			1200			
			1300			
			1400			
			1500			
			1600			
			1700			
			1800			
			1900			
			2000			
			2100			
			2200			
			2300			
			2400			
			2500			
			2600			
			2700			
			2800			
			2900			
			3000			
			3100			
			3200			
			3300			
			3400			
			3500			
			3600			
			3700			
			3800			
			3900			
			4000			
			4100			
			4200			
			4300			
			4400			
			4500			
			4600			
			4700			
			4800			
			4900			

Dredge } No. 5996 Date, , 19
Hydrog. }
Sdg. Mch. Reel Shot } lbs.
Lead }
Turns Cor'n Depth fms.
Sdg. Cup Sigsbee Amt. Bot'm Sample
Character of Bottom

Thermom. { Make Cor'n { Instr.
No. Stem.

Bottom Reading Cor'd Temp.

Temp. Surf. { Time } Air {
Time

Density: Surf. fms.

Wind: Direction Force

Baromet. 30.16 Amt. of Clouds 7 State of Sea

Weather

Direction and Force of Current { Surface
Bottom

Tide

General Locality Off Washington Coast

Position Destruction Is. Light bears S 85° E (true) 30'
distant 3.7 miles

Chart used: No. No. 9. Ed'n 674

Drift: Direction Distance

Depth of Haul

Apparatus and Rig used

Time towing h. m.

Remarks:

Deck Officer Recorder

SOUNDING WIRE.				FMS.	DREDGING CABLE.		
M. Down.	Up.	M.			M. Down.	Up.	M.
49	00	10	02	0			
49	00	10	02	100			
50	15	10	00	200			
				300			
				400			
				500			
				600			
				700			
				800			
				900			
				1000			
				1100			
				1200			
				1300			
				1400			
				1500			
				1600			
				1700			
				1800			
				1900			
				2000			
				2100			
				2200			
				2300			
				2400			
				2500			
				2600			
				2700			
				2800			
				2900			
				3000			
				3100			
				3200			
				3300			
				3400			
				3500			
				3600			
				3700			
				3800			
				3900			
				4000			
				4100			
				4200			
				4300			
				4400			
				4500			
				4600			
				4700			
				4800			
				4900			

Dredge } No. 177 Date, Jan 12, 1912
Hydrog. }

Sdg. Mch. Reel Shot Lead 30 lbs.

Turns Cor'n Depth 7500 fms.

Sdg. Cup Amt. Bot'm Sample

Character of Bottom No Bottom at 500

Thermom. { Make Cor'n { Instr. No. Stem.

Bottom Reading Cor'd Temp.

Temp. Surf. { 54 Time 10:53 Air { 68
Time

Density: Surf. fms.

Wind: Direction Force

Baromet. 30.16 Amt. of Clouds 7 State of Sea 2

Weather

Direction and Force of Current { Surface Bottom

Tide

General Locality Off Washington Coast

Position Destruction Is. Light bears 587° E (true)

Chart used: No. Plotting Sheet No 9 Ed'n distant 62 miles 6.56

Drift: Direction Distance

Depth of Haul

Apparatus and Rig used

Time towing h. m.

Remarks:

Deck Officer Recorder

SOUNDING WIRE.			FMS.	DREDGING CABLE.		
M. Down.	Up.	M.		M. Down.	Up.	M.
			0			
			100			
			200			
			300			
			400			
			500			
			600			
			700			
			800			
			900			
			1000			
			1100			
			1200			
			1300			
			1400			
			1500			
			1600			
			1700			
			1800			
			1900			
			2000			
			2100			
			2200			
			2300			
			2400			
			2500			
			2600			
			2700			
			2800			
			2900			
			3000			
			3100			
			3200			
			3300			
			3400			
			3500			
			3600			
			3700			
			3800			
			3900			
			4000			
			4100			
			4200			
			4300			
			4400			
			4500			
			4600			
			4700			
			4800			
			4900			

Dredge } No. 116 Date, Aug 10, 1915
Hydrog. }

Sdg. Mch. Reel Steam Lead 30 lbs.

Turns Cor'n Depth 6/500 fms.

Sdg. Cup Amt. Bot'm Sample

Character of Bottom m. 100-1200 at 500

Thermom. { Make Cor'n { Instr. No. Stem.

Bottom Reading Cor'd Temp.

Temp. Surf. { 56 Time 11:35 } Air { Time }

Density: Surf. fms.

Wind: Direction 8 E Force

Baromet. 30.16 Amt. of Clouds 9 State of Sea

Weather 6 c

Direction and Force of Current { Surface Bottom

Tide

General Locality Off Washington Coast

Position Instruction Is. Light bears S 89° E (true) distant 6 1/2 miles

Chart used: No. Plotting Sheet Ed'n 702

Drift: Direction 109 Distance

Depth of Haul

Apparatus and Rig used

Time towing h. m.

Remarks:

Deck Officer Recorder

SOUNDING WIRE.

FMS.

DREDGING CABLE.

M. Down.

Up.

M.

M. Down.

Up.

M.

11	27	20	11	35	
11	27	35	11	34	30
11	28	20	11	33	35
11	29				
11	30				
11	31				

0
100
200
300
400
500
600
700
800
900
1000
1100
1200
1300
1400
1500
1600
1700
1800
1900
2000
2100
2200
2300
2400
2500
2600
2700
2800
2900
3000
3100
3200
3300
3400
3500
3600
3700
3800
3900
4000
4100
4200
4300
4400
4500
4600
4700
4800
4900

Dredge } No. _____ Date, _____, 19__
 Hydrog. }
 Sdg. Mch. Lucas Reel Lucas Shot/Lead _____ lbs.
 Turns _____ Cor'n _____ Depth _____ fms.
 Sdg. Cup _____ Amt. Bot'm Sample _____
 Character of Bottom fine sand at 500
 Thermom. { Make _____ Cor'n { Instr. _____
 { No. _____ { Stem. _____
 Bottom Reading _____ Cor'd Temp. _____
 Temp. Surf. { Time _____ } Air { _____ }
 { Time _____ }
 Density: Surf. _____ fms. _____
 Wind: Direction S.E. Force 2
 Baromet. 30.15 Amt. of Clouds 10 State of Sea _____
 Weather 6.25
 Direction and Force of Current { Surface _____
 { Bottom _____
 Tide _____

General Locality Off Washington Coast
 Position 189° 50' E
Destruction Is. Light bears E (true)
distant 7.0 mile
 Chart used: No. Plotting Sheet No 9 Ed'n _____
 Drift: Direction _____ Distance _____
 Depth of Haul _____
 Apparatus and Rig used _____

Time towing _____ h. _____ m.

Remarks: _____

Deck Officer _____ Recorder _____

11-1023

SOUNDING WIRE.				FMS.	DREDGING CABLE.		
P. M. Down.	Up.	P. M.			M. Down.	Up.	M.
12	16			0			
	17			100			
	18			200			
				300			
				400			
				500			
				600			
				700			
				800			
				900			
				1000			
				1100			
				1200			
				1300			
				1400			
				1500			
				1600			
				1700			
				1800			
				1900			
				2000			
				2100			
				2200			
				2300			
				2400			
				2500			
				2600			
				2700			
				2800			
				2900			
				3000			
				3100			
				3200			
				3300			
				3400			
				3500			
				3600			
				3700			
				3800			
				3900			
				4000			
				4100			
				4200			
				4300			
				4400			
				4500			
				4600			
				4700			
				4800			
				4900			

~~Dead~~ } No. _____ Date, _____, 19____
Hydrog. }
Sdg. Mch. _____ Reel Lucas Shot 30 lbs.
Lead

Turns _____ Cor'n _____ Depth _____ fms.

Sdg. Cup Arming (light cap) Amt. Bot'm Sample _____

Character of Bottom at 500

Thermom. { Make _____ Cor'n { Instr. _____
No. _____ Stem. _____

Bottom Reading _____ Cor'd Temp. _____

Temp. Surf. { 56° Time 1:16 P } Air { 67°
Time _____

Density: Surf. _____ fms. _____

Wind: Direction N.E. Force 2

Baromet. 30.14 Amt. of Clouds 5- State of Sea _____

Weather bc.

Direction and Force of Current { Surface _____
Bottom _____

Tide _____

General Locality Off Washington Coast

Position Destruction Is. Light bears N 88° E (true) 30' distant 7.8 miles

Chart used: No. Plotting Sheet No 9 Ed'n _____

Drift: Direction _____ Distance _____

Depth of Haul _____

Apparatus and Rig used _____

Time towing _____ h. _____ m.

Remarks: _____

Deck Officer T. Lick Recorder _____

SOUNDING WIRE.			FMS.	DREDGING CABLE.		
② M. DOWN.	UP.	② M.		M. DOWN.	UP.	M.
1 05 00	1 15		0			
05 30	1 15		100			
1 15	1 15		200			
1 15	1 15		300			
08 00	1 15		400			
1 15	1 15		500			
			600			
			700			
			800			
			900			
			1000			
			1100			
			1200			
			1300			
			1400			
			1500			
			1600			
			1700			
			1800			
			1900			
			2000			
			2100			
			2200			
			2300			
			2400			
			2500			
			2600			
			2700			
			2800			
			2900			
			3000			
			3100			
			3200			
			3300			
			3400			
			3500			
			3600			
			3700			
			3800			
			3900			
			4000			
			4100			
			4200			
			4300			
			4400			
			4500			
			4600			
			4700			
			4800			
			4900			

Dredge } No. 6001 Date, August 10, 1901
 Hydrog. }
 Sdg. Mch. Lucas Reel Lucas Shot 35 lbs.
 Turns _____ Cor'n _____ Depth 1300 fms.
 Sdg. Cup 210 Amt. Bot'm Sample _____
 Character of Bottom Fine sand
 Thermom. { Make _____ Cor'n { Instr. _____
 { No. _____ { Stem. _____
 Bottom Reading _____ Cor'd Temp. _____
 Temp. Surf. { 56° Time 2:30 P. } Air { 67°
 { _____ Time _____ { _____
 Density: Surf. _____ fms. _____
 Wind: Direction S.E. Force 2
 Baromet. 30.12 Amt. of Clouds 1 State of Sea 1
 Weather bc
 Direction and Force of Current { Surface _____
 { Bottom _____
 Tide _____

General Locality Off Washington Coast
 Position Destruction Is. Light bears N 87 1/2° E (true) distant 7.8 miles
 Chart used: No. Plotting Sheet No. 9 Ed'n 85
 Drift: Direction _____ Distance _____
 Depth of Haul _____
 Apparatus and Rig used _____

Time towing _____ h. _____ m.
 Remarks: Dredge broken when about 20 fms. down. Hook in net. One fish found in net about 2 fms. above hook. Tray and net lost. Some fish lost.

Deck Officer J. H. Quinn

Recorder

SOUNDING WIRE.			FMS.	DREDGING CABLE.		
M. Down.	Up.	M.		M. Down.	Up.	M.
1 14 15		22 15	0			
55 20		21 30	100			
56 30		20 55	200			
57 40		20 20	300			
58 10		19 45	400			
59 45		19 10	500			
2 00 45		18 30	600			
02 15		17 45	700			
03 20		17 00	800			
04 35		16 15	900			
05 50		15 30	1000			
07 20		14 35	1100			
08 40		13 45	1200			
2 10 00	2	12 20	1800			
			1400			
			1500			
			1600			
			1700			
			1800			
			1900			
			2000			
			2100			
			2200			
			2300			
			2400			
			2500			
			2600			
			2700			
			2800			
			2900			
			3000			
			3100			
			3200			
			3300			
			3400			
			3500			
			3600			
			3700			
			3800			
			3900			
			4000			
			4100			
			4200			
			4300			
			4400			
			4500			
			4600			
			4700			
			4800			
			4900			

~~Hydrog.~~ } No. 2000 Date, August 11, 1912

Sdg. Mch. Lucas Reel Shot Lead 20 lbs.

Turns Cor'n Depth fms.

Sdg. Cup Amt. Bot'm Sample

Character of Bottom at 500

Thermom. { Make Cor'n { Instr. No. Stem.

Bottom Reading Cor'd Temp.

Temp. Surf. { 56.0 Time 3:15 P } Air { Time

Density: Surf. fms.

Wind: Direction S.E. X S Force 2

Baromet. 30 Amt. of Clouds 7 State of Sea S

Weather

Direction and Force of Current { Surface Bottom

Tide

General Locality Off Washington Coast

Position Destruction I. Light bears N 86° E (true) distant 8.2 miles

Chart used: No. Plotting Sheet No 9 Ed'n 87

Drift: Direction Distance

Depth of Haul

Apparatus and Rig used

Time towing h. m.

Remarks:

Deck Officer Recorder

SOUNDING WIRE.			FMS.	DREDGING CABLE.		
M. Down.	Up.	M.		M. Down.	Up.	M.
3 065-0	3	17 20	0			
07 25		16 25	100			
08 20		15 30	200			
09 10		14 40	300			
10 10		13 45	400			
3 11 15	3	12 50	500			
			600			
			700			
			800			
			900			
			1000			
			1100			
			1200			
			1300			
			1400			
			1500			
			1600			
			1700			
			1800			
			1900			
			2000			
			2100			
			2200			
			2300			
			2400			
			2500			
			2600			
			2700			
			2800			
			2900			
			3000			
			3100			
			3200			
			3300			
			3400			
			3500			
			3600			
			3700			
			3800			
			3900			
			4000			
			4100			
			4200			
			4300			
			4400			
			4500			
			4600			
			4700			
			4800			
			4900			

Dredge } No. 600 Date, Dec 12, 1911
Hydrog. }

Sdg. Mch. Reel Shot Lead 50 lbs.

Turns Cor'n Depth fms.

Sdg. Cup Amt. Bot'm Sample

Character of Bottom at 500

Thermom. { Make Cor'n { Instr. No. Stem.

Bottom Reading Cor'd Temp.

Temp. Surf. { Time 4:08 } Air { 67° Time

Density: Surf. fms.

Wind: Direction S.S.W. Force

Baromet. 30.1 Amt. of Clouds 7 State of Sea

Weather

Direction and Force of Current { Surface Bottom

Tide

General Locality Off Washington Coast

Position Destruction Is. Light bears N 85 1/2° E (true) distant 8.6 miles

Chart used: No. Plotting Sheet No 9 Ed'n

Drift: Direction Distance

Depth of Haul

Apparatus and Rig used

Time towing h. m.

Remarks:

Deck Officer Recorder

SOUNDING WIRE.

P	M. Down.	Up.	P	M.
2	1	7	4	

FMS.

DREDGING CABLE.

M. Down.	Up.	M.

0
100
200
300
400
500
600
700
800
900
1000
1100
1200
1300
1400
1500
1600
1700
1800
1900
2000
2100
2200
2300
2400
2500
2600
2700
2800
2900
3000
3100
3200
3300
3400
3500
3600
3700
3800
3900
4000
4100
4200
4300
4400
4500
4600
4700
4800
4900

Trawl { No. _____ Date, _____, 19____
Hydrog. }

Sdg. Mch. _____ Reel _____ Shot/Lead _____ lbs.

Turns _____ Cor'n _____ Depth _____ fms.

Sdg. Cup _____ Amt. Bot'm Sample _____

Character of Bottom _____ at 500

Thermom. { Make _____ Cor'n { Instr. _____
 { No. _____ { Stem. _____

Bottom Reading _____ Cor'd Temp. _____

Temp. Surf. { _____ Time _____ } Air { _____
 { _____ Time _____ }

Density: Surf. _____ fms. _____

Wind: Direction _____ Force _____

Baromet. 29.10 Amt. of Clouds 10 State of Sea M

Weather _____

Direction and Force of Current { Surface _____
 { Bottom _____

Tide _____

General Locality Off Washington Coast

Position Destruction I. Light bears N 85° E 1 mile

Chart used: No. Plotting Sheet No 9 Ed'n 77.2 distant 90 miles.

Drift: Direction _____ Distance _____

Depth of Haul _____

Apparatus and Rig used _____

Time towing _____ h. _____ m.

Remarks: _____

SOUNDING WIRE.

M. Down. | Up. | M.

FMS.

DREDGING CABLE.

M. Down. | Up. | M.

0
100
200
300
400
500
600
700
800
900
1000
1100
1200
1300
1400
1500
1600
1700
1800
1900
2000
2100
2200
2300
2400
2500
2600
2700
2800
2900
3000
3100
3200
3300
3400
3500
3600
3700
3800
3900
4000
4100
4200
4300
4400
4500
4600
4700
4800
4900

~~Hedge~~ } No. _____ Date, _____ 1915

Hydrog. } _____
Sdg. Mch. _____ Reel _____ Shot _____
Lead 30 lbs.

Turns _____ Cor'n _____ Depth 10 fms.

Sdg. Cup _____ Amt. Bot'm Sample _____

Character of Bottom _____ at 30

Thermom. { Make _____ Cor'n { Instr. _____
No. _____ Stem. _____

Bottom Reading _____ Cor'd Temp. _____

Temp. Surf. { Time _____ } Air { _____
Time _____ }

Density: Surf. _____ fms. _____

Wind: Direction _____ Force _____

Baromet. 30.10 Amt. of Clouds 11 State of Sea K

Weather _____

Direction and Force of Current { Surface _____
Bottom _____

Tide _____

General Locality Off Washington Coast

Position Destruction Light bears N 84° E (true) 83045
distant 9.5 miles

Chart used: No Plotting Sheet Ed'n 161.6

Drift: Direction No 9 Distance _____

Depth of Haul _____

Apparatus and Rig used _____

Time towing _____ h. _____ m.

Remarks: _____

Deck Officer _____ Recorder _____

SOUNDING WIRE.

FMS.

DREDGING CABLE.

M. DOWN. UP. M.

M. DOWN. UP. M.

0

100

200

300

400

500

600

700

800

900

1000

1100

1200

1300

1400

1500

1600

1700

1800

1900

2000

2100

2200

2300

2400

2500

2600

2700

2800

2900

3000

3100

3200

3300

3400

3500

3600

3700

3800

3900

4000

4100

4200

4300

4400

4500

4600

4700

4800

4900

Dredge } No. *6106* Date, *Aug 10*, 19*15*
 Hydrog. }
 Sdg. Mch. *Lucas* Reel *Lucas* Shot } *35* lbs.
 Lead }
 Turns _____ Cor'n _____ Depth *1400* fms.
 Sdg. Cup *Lucas* Amt. Bot'm Sample _____
 Character of Bottom *Sounding cap. wooded.*
 Thermom. { Make _____ Cor'n { Instr. _____
 No. *None* Stem. _____
 Bottom Reading _____ Cor'd Temp. _____
 Temp. Surf. { Time *6:40* } Air { *66*
 Time _____ }
 Density: Surf. _____ fms. _____
 Wind: Direction *SSE* Force *3*
 Baromet. *30.10* Amt. of Clouds *0* State of Sea *M*
 Weather *bc*
 Direction and Force of Current { Surface _____
 Bottom _____
 Tide _____

General Locality *Off Washington Coast*
 Position *Destruction Is. Light bears N 83° E (true)*
Plotting Sheet distant 98 miles
 Chart used: No. *No 9* Ed'n *106.4*
 Drift: Direction _____ Distance _____
 Depth of Haul _____
 Apparatus and Rig used _____

Time towing _____ h. _____ m.
 Remarks: *Sounding cap. wooded*
when down, against bottom;
strainer full.

Deck Officer

Recorder

Truitt

SOUNDING WIRE.				FMS.	DREDGING CABLE.		
P	M. Down.	Up.	P M.		M. Down.	Up.	M.
6	3 45	31 50		0			
	10 45	30 30		100			
	15 25	29 15		200			
	16 30	28 45		300			
	17 30	27 15		400			
	18 30	26 15		500			
	19 45	25 15		600			
	20 30	24 15		700			
	22 35	23 15		800			
	23 20	22 05		900			
	24 40	21 30		1000			
	26 05	20 45		1100			
	27 30	19 20		1200			
	28 45	18 45		1300			
6	3 45	6 31 50		1400			
				1500			
				1600			
				1700			
				1800			
				1900			
				2000			
				2100			
				2200			
				2300			
				2400			
				2500			
				2600			
				2700			
				2800			
				2900			
				3000			
				3100			
				3200			
				3300			
				3400			
				3500			
				3600			
				3700			
				3800			
				3900			
				4000			
				4100			
				4200			
				4300			
				4400			
				4500			
				4600			
				4700			
				4800			
				4900			

17

Sigsbee Hydrog. No. 6007 Date, August 10, 1915
Sdg. Mch. Lucas Reel Lucas Shot/Lead 50 lbs.
Turns _____ Cor'n _____ Depth 50 fms.
Sdg. Cup _____ Amt. Bot'm Sample _____
Character of Bottom No bottom at 500
Thermom. { Make _____ Cor'n { Instr. _____
 { No. _____ { Stem. _____
Bottom Reading _____ Cor'd Temp. _____
Temp. Surf. { _____ Time 1:22 } Air { _____
 { _____ Time _____ }
Density: Surf. _____ fms. _____
Wind: Direction SE Force 3
Baromet. 30.10 Amt. of Clouds 10 State of Sea S
Weather 0

Direction and Force of Current { Surface _____
 { Bottom _____

Tide _____

General Locality off Washington Coast

Position Destruction Is. Light bears N 82° E (true) 30'
Distant 70 1/2 miles

Chart used: No. Plotting Sheet No 9 Ed'n 11018

Drift: Direction _____ Distance _____

Depth of Haul _____

Apparatus and Rig used _____

Time towing _____ h. _____ m.

Remarks: _____

Deck Officer Mr. Cassidy Recorder W. H. H. H.

Dredge } No. 330 Date, August 10, 1911
Hydrog. }
Sdg. Mch. Lucas Reel Shot Lead 30 lbs.
Turns Cor'n Depth 562 fms.
Sdg. Cup Amt. Bot'm Sample
Character of Bottom M. S. Bottom at 500

Thermom. { Make Cor'n { Instr.
No. Stem.

Bottom Reading Cor'd Temp.

Temp. Surf. { Time 10:15 } Air {
Time

Density: Surf. fms.

Wind: Direction S. E. Force 2

Baromet. 30.10 Amt. of Clouds 9 State of Sea

Weather

Direction and Force of Current { Surface
Bottom

Tide

General Locality Off Washington Coast

Position Destruction Light bears N 82° E (true) distant 10.8 miles.

Chart used: No. Plotting Sheet No 9 Ed'n 1155

Drift: Direction Distance

Depth of Haul

Apparatus and Rig used

Time towing h. m.

Remarks:

Deck Officer Recorder

SOUNDING WIRE.

P M. Down. Up. M.

FMS.

DREDGING CABLE.

--- M. Down. Up. --- M.

0
100
200
300
400
500
600
700
800
900
1000
1100
1200
1300
1400
1500
1600
1700
1800
1900
2000
2100
2200
2300
2400
2500
2600
2700
2800
2900
3000
3100
3200
3300
3400
3500
3600
3700
3800
3900
4000
4100
4200
4300
4400
4500
4600
4700
4800
4900

Dredge } No. _____ Date, Aug _____, 19____
Hydrog. }
Sdg. Mch. Lucas Reel Lucas Shot/Lead _____ lbs.
Turns _____ Cor'n _____ Depth 500 fms.
Sdg. Cup 10 Amt. Bot'm Sample _____
Character of Bottom _____ at 500

Thermom. { Make _____ Cor'n { Instr. _____
 { No. _____ { Stem. _____

Bottom Reading _____ Cor'd Temp. _____

Temp. Surf. { _____ Time _____ } Air { _____
 { _____ Time _____ }

Density: Surf. _____ fms. _____

Wind: Direction _____ Force _____

Baromet. 30.11 Amt. of Clouds 9 State of Sea 1

Weather _____

Direction and Force of Current { Surface _____
 { Bottom _____

Tide _____

General Locality Off Washington Coast

Position Destruction I. Light bears ^{N 30'} 81° E (true) distant 7.2 miles

Chart used: No. Plotting Sheet No 9 Ed'n _____ 120.3

Drift: Direction _____ Distance _____

Depth of Haul _____

Apparatus and Rig used _____

Time towing _____ h. _____ m.

Remarks: _____

Deck Officer M. B. Vick Recorder Parbes

SOUNDING WIRE.

M. Down. | Up. | M.

5308

FMS.

DREDGING CABLE.

M. Down. | Up. | M.

0
100
200
300
400
500
600
700
800
900
1000
1100
1200
1300
1400
1500
1600
1700
1800
1900
2000
2100
2200
2300
2400
2500
2600
2700
2800
2900
3000
3100
3200
3300
3400
3500
3600
3700
3800
3900
4000
4100
4200
4300
4400
4500
4600
4700
4800
4900

Dredge } No. _____ Date, _____, 19____
Hydrog. }
Sdg. Mch. _____ Reel _____ Shot/Lead } 30 lbs.
Turns _____ Cor'n _____ Depth 7500 fms.
Sdg. Cup _____ Amt. Bot'm Sample _____
Character of Bottom _____ at 500-

Thermom. { Make _____ Cor'n { Instr. _____
 { No. _____ { Stem. _____

Bottom Reading _____ Cor'd Temp. _____

Temp. Surf. { _____ Time 7:53 } Air { _____
 { _____ Time _____ } { _____

Density: Surf. _____ fms. _____

Wind: Direction _____ Force _____

Baromet. 30.11 Amt. of Clouds 0 State of Sea 1

Weather _____

Direction and Force of Current { Surface _____
 { Bottom _____

Tide _____

General Locality *off Washington Coast*

Position *Destruction Is. Light bears N 81° E (true) distant 11.7 miles*

Chart used: No. *Plotting Sheet No 9* Ed'n _____

Drift: Direction _____ Distance _____

Depth of Haul _____

Apparatus and Rig used _____

Time towing _____ h. _____ m.

Remarks: _____

Deck Officer *W. H. S. Jones* Recorder *W. H. S. Jones*

SOUNDING WIRE.

FMS.

DREDGING CABLE.

M. Down. Up. M.

M. Down. Up. M.

0

100

200

300

400

500

600

700

800

900

1000

1100

1200

1300

1400

1500

1600

1700

1800

1900

2000

2100

2200

2300

2400

2500

2600

2700

2800

2900

3000

3100

3200

3300

3400

3500

3600

3700

3800

3900

4000

4100

4200

4300

4400

4500

4600

4700

4800

4900

Dredge } No. 6011 Date, August 10, 1911
Hydrog.

Sdg. Mch. Reel Shot 35 lbs.

Turns Cor'n Depth 1480 fms.

Sdg. Cup Amt. Bot'm Sample

Character of Bottom (fine sand) gn m.

Thermom. { Make Cor'n { Instr. No. Stem.

Bottom Reading Cor'd Temp.

Temp. Surf. { Time Air {

Density: Surf. fms.

Wind: Direction Force

Baromet. Amt. of Clouds State of Sea

Weather

Direction and Force of Current { Surface Bottom

Tide

General Locality Off Washington Coast

Position Destruction Is. Light bears N 80 1/2° E (true) distant 12.2 miles.

Chart used: No. Plotting Sheet No 9 Ed'n 1794

Drift: Direction Distance

Depth of Haul

Apparatus and Rig used

Time towing h. m.

Remarks:

Deck Officer Recorder

SOUNDING WIRE.

M. Down. Up. M.

FMS.

DREDGING CABLE.

M. Down. Up. M.

0

100

200

300

400

500

600

700

800

900

1000

1100

1200

1300

1400

1500

1600

1700

1800

1900

2000

2100

2200

2300

2400

2500

2600

2700

2800

2900

3000

3100

3200

3300

3400

3500

3600

3700

3800

3900

4000

4100

4200

4300

4400

4500

4600

4700

4800

4900

22)
 Dredge } No. *6112* Date, *Aug 24*, 19
 Hydrog. }
 Sdg. Mch. *Lucas* Reel *Lucas* Shot *30* lbs.
 Lead
 Turns. Cor'n Depth *2506* fms.
 Sdg. Cup *16* Amt. Bot'm Sample
 Character of Bottom *gy. M. S. at 500*
 Thermom. { Make Cor'n { Instr.
 { No. { Stem.
 Bottom Reading Cor'd Temp.
 Temp. Surf. { Time { Air {
 { Time {
 Density: Surf. fms.
 Wind: Direction *W. N. W.* Force
 Baromet. *30.12* Amt. of Clouds State of Sea
 Weather
 Direction and Force of Current { Surface
 { Bottom
 Tide

General Locality *Off Washington Coast*
 Position *Destruction Is. Light bears N 80° E (true) distant 12.7 miles.*
 Chart used: No. *Plotting Sheet No 9* Ed'n *134.0*
 Drift: Direction Distance
 Depth of Haul
 Apparatus and Rig used
 Time towing h. m.
 Remarks:

Deck Officer *W. H. Miller* Recorder *W. H. Miller*

SOUNDING WIRE.

M. Down. Up. M.

FMS.

DREDGING CABLE.

M. Down. Up. M.

0
100
200
300
400
500
600
700
800
900
1000
1100
1200
1300
1400
1500
1600
1700
1800
1900
2000
2100
2200
2300
2400
2500
2600
2700
2800
2900
3000
3100
3200
3300
3400
3500
3600
3700
3800
3900
4000
4100
4200
4300
4400
4500
4600
4700
4800
4900

①
Dredge } No. 6013 Date, August 14, 1915
Hydrog. }
Sdg. Mch. Lucas Reel Lucas Shot Lead 30 lbs.
Turns Cor'n Depth fms.

Sdg. Cup Arming (soft soap) Amt. Bot'm Sample
Character of Bottom No bottom at 500

Thermom. { Make Cor'n { Instr.
No. Stem.

Bottom Reading Cor'd Temp.

Temp. Surf. { 56° Time 12:30 P Air { 62°
Time

Density: Surf. fms.

Wind: Direction N. N. W. Force 2

Baromet. 30.13 Amt. of Clouds 10 State of Sea

Weather ocm

Direction and Force of Current { Surface
Bottom

Tide

General Locality off Washington Coast

Position Destruction Is. Light bears N 79 1/2° E (true)

Chart used: No Plotting Sheet distant 13.2 miles
no 9 Ed'n 138.9

Drift: Direction Distance

Depth of Haul

Apparatus and Rig used

Time towing h. m.

Remarks:

checked
F. P. S.

Deck Officer Mr. Shepley Recorder E. S. DeLong

SOUNDING WIRE.					FMS.	DREDGING CABLE.						
A	M. Down.		Up.	A		M.	M. Down.		Up.	M.		
12	21	38	12	30	00	0						
	22	08		29	05	100						
	22	40		28	35	200						
	23	36		28	00	300						
	24	35		27	25	400						
12	25	40	12	26	30	500						
						600						
						700						
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